Bids received until Apr. 20, 1915.

Section 2, River Road

Mercer County, N. J.

Sealed proposals will be received by the Board of Chosen Freeholders of the County of Mercer, at their place of meeting, Court House, Trenton, N. J., on Tuesday, April 20, at 2:30 p.m., and then opened—

For the furnishing of materials, tools, machinery and labor necessary for the efficient and proper grading of the roadway, side ditches, side banks, and rolling, spreading and laying of road metal, and all the work of construction incidental thereto, for the improvement of a road known as "Section 2, River Road," with bituminous concrete. Said road beginning at station 100, plus 60, near Titusville, in the Township of Hopewell, and extending to the Hunterdon County line at station 252, plus 50.

As a guarantee of good faith, and to secure the County of Mercer from any loss by failure to comply with the terms of the bid, all bidders shall accompany their bid with a certified check, payable to the order of Joseph H. Black, county collector, in the sum of one thousand ($1,000) dollars, or like amount in cash, as a guarantee that if the contract shall be awarded to him he will, within thirty (30) days, execute an agreement in writing with the Board of Chosen Freeholders of the County of Mercer to perform the work according to the plans and specifications. Upon failure by the contractor to enter into said agreement with the Board of Chosen Freeholders, said certified check or cash shall be forfeited and considered as liquidated damages.

All bids must be enclosed in a sealed envelope addressed to the Board of Chosen Freeholders of Mercer County, New Jersey, and bearing on the outside the name and address of the bidder. The bid must be delivered at the Court House, Trenton, N. J., on or before April 20, 1915, at 2:30 p.m., and shall be plainly written on the outside of the envelope, "Proposal for Section 2, River Road."

No proposal will be received or opened unless these conditions are complied with on the part of the bidder.

The check of the successful bidder will be held until the contract is executed, together with a bond for a sum not less than the estimated cost of the road when completed, conditioned for the faithful performance of the contract in accordance with the plans and specifications, and approved by the Board of Chosen Freeholders or its committee.

Plans and specifications are on file in the office of Theodore Tobish, county engineer, Court House, Trenton, N. J., and at the office of the Commissioner of Public Roads, State House, Trenton, N. J., and may there be examined.

The form of proposal on file with the said county engineer must be the form used in making bids.

The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if deemed in the interest of the county to do so.

JOHN J. POWER, Director.

Bids received until Apr. 19, 1915.

Albany County Court House

Albany, N. Y.

Sealed proposals will be received at the office of the Clerk of the Board of Supervisors, City Hall, Albany, N. Y., until 12 o'clock noon, April 19, 1915, for furnishing and installing of the Steel furniture of a new Court House for the County of Albany, N. Y., situated on the southerly side of Columbia Street, between Lodge and Eagle Streets, in the City of Albany, N. Y.

Plans and specifications may be seen at the office of the Clerk of the Board at City Hall, Albany, N. Y., or at the office of Hoppin & Koen, Architects, 244 Fifth Avenue, New York City, after March 31, 1915.

Contractors desirous of obtaining copies of the plans and specifications for the purpose of estimating may do so by applying either in person or in writing to the above architects, who will loan them copies of the specifications and give them an order on a blue print firm, to whom the original tracings will be loaned. Upon receipt of such order a set of prints will be immediately forwarded to Contractor, who will pay printer for cost of prints.

No refund will be made for return of prints.

Dated March 31, 1915.

JOHN F. HYATT,
THOMAS WAREING,
EDWARD F. DEMPSEY,
NELSON BOYD,
FRANCIS VROOMAN,
Committee of Public Buildings of Albany County Board of Supervisors.

Bids received until Apr. 20, 1915.

Section 1, River Road

Mercer County, N. J.

Sealed proposals will be received by the Board of Chosen Freeholders of the County of Mercer, at their place of meeting, Court House, Trenton, N. J., on Tuesday, April 20, at 2:30 p.m., and then opened—

For the furnishing of materials, tools, machinery and labor necessary for the efficient and proper grading of the roadway, side ditches, side banks, and rolling, spreading and laying of road metal, and all the work of construction incidental thereto, for the improvement of the road known as "Section 1, River Road," with concrete. Said road beginning at Washington's Crossing station, minus 5 plus 0, in the township of Hopewell, and ending at station 100, plus 60.

As a guarantee of good faith, and to secure the County of Mercer from any loss by failure to comply with the terms of the bid, all bidders shall accompany their bid with a certified check, payable to the order of Joseph H. Black, county collector, in the sum of one thousand ($1,000) dollars, or like amount in cash, as a guarantee that if the contract shall be awarded to him he will, within thirty (30) days, execute an agreement in writing with the Board of Chosen Freeholders of the county of Mercer to perform the work according to the plans and specifications. Upon failure by the contractor to enter into said agreement with the Board of Chosen Freeholders, said certified check or cash shall be forfeited and considered as liquidated damages.

All bids must be enclosed in a sealed envelope addressed to the Board of Chosen Freeholders of Mercer County, New Jersey, and bearing on the outside the name and address of the bidder. The bid must be delivered at the Court House, Trenton, N. J., on or before April 20, 1915, at 2:30 p.m., and shall be plainly written on the outside of the envelope "Proposal for Section 1, River Road."

No proposal will be received or opened unless these conditions are complied with on the part of the bidder.

The check of the successful bidder will be held until the contract is executed, together with a bond for a sum not less than the estimated cost of the road when completed, conditioned for the faithful performance of the contract in accordance with the plans and specifications, and approved by the Board of Chosen Freeholders or its committee.

Plans and specifications are on file in the office of Theodore Tobish, county engineer, Court House, Trenton, N. J., and at the office of the Commissioner of Public Roads, State House, Trenton, N. J., and may there be examined.

The form of proposal on file with the said county engineer must be the form used in making bids.

The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if deemed in the interest of the county to do so.

JOHN J. POWER, Director.

Bids received until Apr. 19, 1915.

Albany County Court House

Albany, N. Y.

Sealed proposals will be received at the office of the Clerk of the Board of Supervisors, City Hall, Albany, N. Y., until 12 o'clock noon, April 19, 1915, for furnishing and installing the finish of the Special Rooms of a new Court House for the County of Albany, N. Y., situated on the southerly side of Columbia Street, between Lodge and Eagle Streets, in the City of Albany, N. Y.

Plans and specifications may be seen at the office of the Clerk of the Board at City Hall, Albany, N. Y., or at the office of Hoppin & Koen, Architects, 244 Fifth Avenue, New York City, after March 31, 1915.

Contractors desirous of obtaining copies of the plans and specifications for the purpose of estimating may do so by applying either in person or in writing to the above architects, who will loan them copies of the specifications and give them an order on a blue print firm, to whom the original tracings will be loaned. Upon receipt of such order a set of prints will be immediately forwarded to Contractor, who will pay printer for cost of prints.

No refund will be made for return of prints.

Dated March 31, 1915.

JOHN F. HYATT,
THOMAS WAREING,
EDWARD F. DEMPSEY,
NELSON BOYD,
FRANCIS VROOMAN,
Committee of Public Buildings of Albany County Board of Supervisors.

Bids received until May 15, 1915.

Pumping Engine

Binghamton, N. Y., March 26, 1915.

The Board of Water Commissioners of the City of Binghamton, New York, will receive sealed proposals until ten o'clock A.M., on the fifteenth day of May, 1915, for furnishing and installing complete:

One (1) Horizontal Cross-Compound High Duty Crank and Flywheel Pumping Engine of 10,000,000 gallons daily capacity.

Proposals must include all piping necessary within the engine room walls, together with such gauges, revolution counters, tools and attachments as are generally furnished to constitute a complete and first-class pumping plant of this capacity.

In order to receive consideration, proposals must be accompanied by a certified check made payable to the Board of Water Commissioners of Binghamton, N. Y., or a bond of some approved trust company and acceptable to the Board and in their favor in the sum of Two Thousand Five Hundred ($2,500) Dollars, which amount shall be forfeited to the above Board as representatives of the City of Binghamton without recourse by the company or person to whom an award of contract shall be made in case such company or person shall fail to enter into a contract with the city within fifteen (15) days after having been notified of such award.

Parties tendering proposals must file with such proposals a set of full detailed specifications which shall describe in a comprehensive manner the different parts of the engine, giving sizes and dimensions of the same, and also the name of the material from which parts are to be constructed.

There must also be furnished with all proposals detailed blue prints or drawings sufficient for the Board and its Engineer to easily understand the construction and working parts of the engine proposed.

The time necessary to construct and install complete the Pumping Engine proposed must be specifically stated, as a forfeit will be exacted in case the time limit named in the contract is exceeded.

The right to reject any or all proposals or to award a contract in such a manner or to such parties as may be deemed for the best interests of the City of Binghamton is reserved by the Board of Water Commissioners.

Specifications may be had upon application to the secretary.

JOHN D. DAVIDSON, Secretary,
Binghamton, N. Y.

Bids received until Apr. 29, 1915.

Sewers and Bridge

DEPARTMENT OF PUBLIC WORKS
Office, 216 City Hall,
Philadelphia, April 12, 1915.

Sealed Proposals, endorsed "Bids for Branch sewers, Main sewers, Repairs to old sewer, Inlets, etc., Shafting and Belt Mule Drive and Bridge," and addressed to the undersigned, at Room 216 City Hall, will be received until 12 o'clock noon, on Thursday, April 29th, 1915, for

Schedule A. Branch sewers.
" B. Main sewers.
" C. Repairs to old sewer (Thompson St.).
" D. Inlets, laterals, etc.
" E. Shafting and Belt Mule Drive over Engine No. 1 at the Pennypack Creek Pumping Station.
" F. Bridge on line of 58th street over Philadelphia and Baltimore Central Railroad.

Plans for the above work will be exhibited in the office of Bureau of Surveys, Philadelphia.

Specifications and blank forms upon which bids must be made will be furnished upon application to the Chief Engineer, Room 416, City Hall.

Bidders must be skilled and regularly engaged in the class of work bid for.

Bids will be opened and read in Room 225 City Hall, at noon, on date above mentioned.

No bid will be considered unless accompanied by a certificate from the City Solicitor, that the provisions of an ordinance requiring proposal bonds when the bids exceed in amount five hundred dollars, approved May 25, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

M. L. COOKE, Director.

Bids received until Apr. 30, 1915.

Street Paving, Concrete Storm Sewer, Filter Unit

DEPARTMENT OF STREETS AND PUBLIC IMPROVEMENTS
City of Reading, Pa., April 15, 1915.

Sealed proposals will be received at the office of the City Clerk, Reading, Pa., until 11 A.M., Friday, April 30th, 1915, for the following improvements:

	Approximate Quantities.
STREET PAVING AND APPURTENANCES—	
Wood block on concrete base	5,925 sq.yds.
Bituminous "Hot Mix" macadam on concrete base	8,920 sq.qds.
Vitrified block on concrete base	10,035 sq.yds.
Granite block paving	1,620 sq.yds.
Concrete paving	900 sq.yds.
Sheet Asphalt repair work	15,000 sq.yds.
CONCRETE STORM SEWER AND APPURTENANCES ON WEST ELM AND ELM STREET—	
5′ circular concrete sewer	2,500 lin.ft.
Vitrified pipe sewer	400 lin.ft.
4′x7′ 10″ concrete sewer	82 lin.ft.
Silt basin	50 lin.ft.
Concrete manhole	170 vert.ft.
Catch basins	11
FILTER UNIT ON FRITZ'S ISLAND, MILLMONT, BERKS CO., PA.—	
Filter Unit and appurtenances	1 acre

Blank forms of proposals, proposal and contract bonds, specifications and any other information can be obtained at the office of the City Engineer, City Hall, Reading, Pa.

Plans and specifications for the several classes of work can be obtained by making the following CASH DEPOSITS: $20.00 for street paving, $10.00 for storm sewer, and $40.00 for filter unit, which deposits will be remitted to bidders upon return of plans before May 4th, 1915.

Proposals for the several classes of work must be endorsed as follows: "Proposal for Street Paving," "Proposal for Storm Sewer on West Elm and Elm Street," "Proposal for Filter Unit," and be addressed to the Superintendent of the Department of Streets and Public Improvements, in care of the City Clerk, Reading, Pa.

The right is reserved to reject any or all bids.

JACOB H. McCONNELL, Superintendent.
EDMUND B. ULRICH, City Engineer.

Bids received until May 3, 1915.

Notice to Bridge Contractors

Cobleskill, N. Y.

Sealed bids and proposals will be received by the undersigned at the office of the Town Clerk in the Village and Town of Cobleskill, Schoharie County, N. Y., until One o'clock in the afternoon of May 3rd, 1915, at which place and hour they will be publicly opened and read, for furnishing material in constructing a new bridge over the Cobleskill Creek near the residence of Foster Barner in said Village and Town.

Detailed plans and specifications of said bridge may be seen and examined at the office of the Town Clerk in said Village and Town, and at the State Highway Commission's Office at Albany, N. Y.

Each bid of proposal must be addressed to Ogden Eldredge, Town Clerk, Cobleskill, Schoharie County, N. Y.

The right to reject any and all bids is hereby reserved.

LORENZO J. GORDON,
Town Superintendent of Highways of the Town of Cobleskill, N. Y.

Dated April 9th, 1915.

Bids received until May 3, 1915.

Bridge

Media, Pa., April 9th, 1915.

Sealed proposals will be received at the office of the County Commissioners, Media, Delaware County, Pa., for the construction of a bridge on line of Baltimore Pike over Ridley Creek between Middletown and Upper Providence Townships, Delaware County, near Media, Pa., on the morning of May 3rd, 1915, at 10 o'clock A.M. Plans and specifications will be furnished at the Commissioners' Office, Media, Pa.

The Commissioners reserve the right to reject any or all bids.

ORION L. DAVIS, County Controller.

Bids received until Apr. 20, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS.

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Tuesday, April 20th, 1915, for the repair of contracts in the following counties:

Albany (one contract—resurfacing 1.9); Broome (one contract—surface treatment 5.73); Chenango (one contract—surface treatment 1.07); Clinton (one contract—resurfacing 7.34); Delaware (one contract—surface treatment 1.00); Essex (one contract—resurfacing 3.64); Onondaga, three contracts (resurfacing—1.72, 2.21, 2.50); Oswego, two contracts (resurfacing—3.09, 2.09); Otsego (one contract—surface treatment 9.07); Rensselaer (one contract—resurfacing 2.46); Saratoga (one contract—resurfacing 3.79); Schoharie (one contract—surface treatment 8.49); Seneca (one contract—resurfacing 5.72); Sullivan (one contract—resurfacing 1.50); Suffolk (one contract—resurfacing 3.82); Warren (one contract—resurfacing 4.12); Wayne (one contract—surface treatment 7.01); Wyoming (one contract—resurfacing 1.28).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the contracts are to be repaired. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.

I. J. MORRIS, Secretary.

Bids received until Apr. 30, 1915.

Proposals for Concrete Wall

Wilkes-Barre, Pa.

SEALED PROPOSALS will be received at the City Clerk's Office, Wilkes-Barre, Pennsylvania, until Friday, April 30th, 1915, at 12 o'clock Noon, for furnishing all labor and materials and erecting a concrete Retaining Wall along Solomon's Creek between Franklin and Vulcan Streets in said City. Bids to be submitted in accordance with specifications, copies of which may be had upon application to B. K. Finch, City Engineer, upon payment to him of the sum of $5.00, which will be refunded to bidders, provided specifications are returned to the City Engineer on or before May 5th, 1915. Proposals to be endorsed "Proposals for Retaining Wall" and must be accompanied by a certified check in the sum of $500.00 and to be addressed to Fred H. Gates, City Clerk. The City Council reserves the right to reject any or all bids received.

C. N. LOVELAND,
Superintendent Department Streets and Public Improvements.

Bids received until Apr. 27, 1915.

Earth Levee

Augusta, Ga.

SEALED PROPOSALS, ADDRESSED to the City Council of Augusta, Ga., will be received by the River and Canal Commission at its office, 747 Broad Street, Augusta, until 4 P.M., Tuesday, April 27th, for furnishing all labor and outfit and constructing complete an earth levee along the Savannah River below the city of Augusta.

The work is divided into two contracts known as sections Nos. 5 and 6. There will be approximately a half-million cubic yards in each section. A certified check for $500 must be deposited with bid as a guarantee of good faith. A bond of $20,000.00 on each section will be required from the successful bidders. Payments will be made in cash on monthly estimates.

The right is reserved to reject any and all bids. Plans and specifications may be had on application to the undersigned.

NISBET WINGFIELD, Chief Engineer.

Bids received until May 5, 1915.

Steam Turbine-Driven Centrifugal Pump

Kansas City, Mo.

SEALED PROPOSALS will be received by the Purchasing Agent of Kansas City, Missouri, at the office of the Purchasing Agent, Second Floor, City Hall, until two o'clock p.m. of Wednesday, May 5th, 1915, for the designing, construction, delivery and erection of a steam turbine, reduction gear, centrifugal pumping unit of a capacity to pump continuously twenty (20) million U. S. gallons of water per twenty-four (24) hours, against a total combined head of three hundred and sixty (360) feet and steam pressure of one hundred and sixty-five (165) pounds per square inch at throttle; together with all machinery, tools and appurtenances necessary; all in accordance with the plans and general specifications on file in the office of the Chief Engineer of the Water Department.

Each bidder shall deposit with the City Comptroller a certified check in the amount of Seven Hundred and Fifty Dollars ($750.00), payable to the City Comptroller of Kansas City, Missouri, and accompany his bid with the Comptroller's receipt therefor.

The certified check referred to in the Advertisement shall be submitted by each bidder as a guaranty that the bidder will, within ten (10) days after receiving the award of a contract, file with the City a satisfactory bond to the amount of Twenty-five Thousand Dollars ($25,000.00) and will execute the contract.

The Board of Fire and Water Commissioners does not bind itself to accept the lowest or any bid offered, and reserves the right to reject any and all bids and to waive any informality when it seems to be to the interest of Kansas City, Missouri, to do so.

J. P. LANGAN, Purchasing Agent.
BURTON LOWTHER, Chief Engineer.

Bids received until Apr. 29, 1915.

Furnishing Stone

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Thursday, April 29th, 1915, for furnishing stone on the following contracts:

Albany 2 (4020 tons); Allegany (820 tons); Broome 2 (2540 tons); Cattaraugus and Chautauqua (2450 tons); Cayuga (491 tons); Chemung (1380 tons); Chenango (2645 tons); Cortland (1010 tons); Delaware and Schoharie (1540 tons); Erie 2 (8700 tons); Niagara (1400 tons); Onondaga (1165 tons); Otsego (790 tons); Rensselaer 2 (1415 cu.yds.); Rensselaer (1340 tons); Saratoga (1650 tons); Schenectady (2025 tons); Schoharie (391 cu.yds.); Schuyler (400 tons); Seneca (355 tons); Sullivan (265 tons); Tioga (780 tons); Tompkins (2465 tons); Wayne (605 tons); Yates (250 tons); Oswego (755 tons).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, New York, and also at the office of the Division Engineer in whose division the stone is to be furnished. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The special attention of bidders is called to the "Information for Bidders" in the itemized proposal, specifications and contract-agreement.

The right is reserved to reject any or all bids.

EDWIN DUFFEY, Commissioner.

I. J. MORRIS, Secretary.

Bids received until Apr. 23, 1915.

Combined Sewer System

Kenosha, Wisconsin.

Sealed proposals will be received at the office of the Street Assessment Committee, in the City Hall of the City of Kenosha, Wisconsin, until the 23rd day of April, 1915, at 2:00 P. M., for 1500 ft. of 84"; 2700 ft. of 66"; 1200 ft. of 36"; 835 ft. of 30"; 1165 ft. of 24"; 470 ft. of 22"; 890 ft. of 20"; 980 ft. of 18"; 2980 ft. of 15" and 2250 ft. of 12" sewer, vitrified tile, vitrified segmental block, reinforced concrete pipe, concrete or brick.

Plans, specifications and proposal blanks may be had at the office of the City Engineer.

The right to reject any or all bids is reserved.

B. C. BRENNAN, City Engineer.

Bids received until Apr. 29, 1915.

Street Paving

OFFICE OF THE BOARD OF COMMISSIONERS,
Nashville, Tennessee, April 13, 1915.

Notice is hereby given that sealed proposals will be received at the office of the Secretary of the Board of Commissioners until 10 o'clock A.M. April 29th, 1915, for the construction of certain wood block paving under Special Benefit Improvement Ordinances, Nos. 59, 60, 61, 62; certain bitulithic paving under Special Benefit Improvement Ordinances, Nos. 63, 64, 65, 66, 67, 68, 72; certain granite block paving under Special Benefit Improvement Ordinances, Nos. 70, 71, 73, 74, 76, 77, 78; certain concrete paving under Special Benefit Improvement Ordinance No. 75; certain bituminous macadam paving under Special Benefit Improvement Ordinances, Nos. 80, 81, 83, 85, 86, 87, 88, 89, 90, 91, 92, 97, 98, 99; and certain bitustone paving under Special Benefit Improvement Ordinances, Nos. 82, 84, 93, 94, 95, 96. Separate proposals must be submitted for each street and must be on blank forms accompany specifications, which will be furnished by W. W. Southgate, City Engineer, upon request. Proposals must be accompanied by a certified check or cashier's check of a National Bank located in Nashville, Tenn., payable to the order of the Board of Commissioners in an amount equivalent to ten per cent. of the aggregate bid, or an approved bond in the penal sum of a like amount with at least two good and solvent sureties, who are citizens or residents of Nashville, Tenn.; or in lieu of personal sureties, the bond of some surety company authorized to execute such a bond in the State of Tennessee. The said checks or bonds will be returned to unsuccessful bidders upon award of contracts, and to successful bidders when they shall have entered into contract and made approved bond for the faithful performance of said contract as required by law. The right to reject any and all bids is expressly reserved.

A deposit of $5.00 will be required to accompany each application for specifications and which will be returned to the depositor either upon the filing of bids or upon the return of the specifications.

By order of the Board of Commissioners.

H. E. HOWSE, Mayor.

Attest: J. W. DASHIELL, Secretary.

Bids received until Apr. 22, 1915.

Furnishing Hardware

Syracuse, N. Y.

Sealed proposals for furnishing the finishing hardware for the College of Forestry Building at Syracuse University, Syracuse, N. Y., will be received by Dr. Hugh P. Baker, Dean, in Room 19, basement of Lyman Hall at Syracuse University, until 2 P.M. on Thursday, April 22, 1915, when they will be opened and read publicly. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed. The right is reserved to reject any or all bids. Copies of specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice, and may be seen at the New York office of the Department of Architecture, Room 1224 Woolworth Building, New York City, and at the office of the New York State College of Forestry, Syracuse, N. Y.

Bids received until May 3, 1915.

Notice to Bridge and Concrete Contractors

Hamlin, West Va.

Sealed bids will be received until 2 o'clock P.M. May 3, 1915, by the Commissioners of the Lincoln County Court of Lincoln County, West Va., at Hamlin, West Va., the County Seat of said County, and at the County Clerk's Office,

FOR THE CONSTRUCTION OF A STEEL BRIDGE ACROSS GUYANDOTTE RIVER AND THE CONCRETE WORK FOR SAME.

For plans and specifications, address Oliver & Maupin, Engineers, Huntington, West Va.

The said Commissioners reserve the right to reject any and all bids.

A. C. PARSONS, President.
By ALBERT F. BLACK, Clerk.
Lincoln County Court.

Bids received until May 5, 1915.

Grasse River Bridge

Canton, N. Y.

Sealed proposals will be received at the office of the Town Clerk of the Town of Canton, St. Lawrence County, New York, until the 5th day of May, 1915, at 2 P.M., for the building of a concrete-steel arch bridge over the Grasse River in the Village of Canton, and will be publicly opened and read at that time.

Plans and specifications may be seen and forms of proposal may be obtained at the office of the Town Clerk of Canton, St. Lawrence County, N. Y., and also at the office of the Concrete-Steel Engineering Company, Park Row Building, New York, N. Y. Copies of the plans and specifications may be obtained from the Concrete-Steel Engineering Co., upon making a deposit of $10.00, which will be refunded upon the return of the plans and specifications in good order.

Each proposal must be accompanied by an unconditional certified check on a National Bank for ten (10%) per cent. of the contract price, made payable to the order of Ceylon G. Chaney, Town Supervisor, as evidence of good faith, and to be forfeited to the Town of Canton as liquidated damages in case of failure on the part of the bidder to enter into a contract for the execution of the work, and to furnish satisfactory surety bond as hereinafter stipulated. Bidder's certified checks will be returned after consideration of the bids, and the check of the successful bidder will be returned as soon as the contract is signed.

Proposals will be entertained only from parties who have at their command the necessary capital, plant and experience for properly doing such work.

Envelopes containing proposals must have endorsed thereon—"Proposal for Grasse River Bridge at Canton, N. Y."

The right is reserved by the Town to accept any proposal, or to reject any or all proposals.

TOWN OF CANTON
By CEYLON G. CHANEY, Supervisor.
H. M. BARBER, Town Clerk.

Bids received until Apr. 17 and 20, 1915.

Concrete Pavement

Greenwich, Conn., April 3, 1915.

Sealed proposals for about 50,000 square yards of concrete pavement will be received by the Highway Commission of the Town of Greenwich, Conn., at the Borough Court Room in the Town Hall, as follows:

For about 26,500 square yards, to be laid on portions of Field Point Road, Prospect Street, Horseneck Lane and Lake Avenue, until 3 P.M. on Saturday, April 17th, 1915;

For about 23,500 square yards, to be laid on portions of Riverside Avenue and Sound Beach Avenue, until 3 P.M. on Tuesday, April 20th, 1915.

Plans and specifications can be seen and blank form of proposal obtained at the office of the Engineer, Room 5, Greenwich Trust Co. Building, Greenwich, Conn. The right is reserved to reject all bids.

CHARLES T. WILLS, Chairman,
LUKE VINCENT LOCKWOOD,
WILLIAM F. DECKER,
ROBERT L. CHAMBERLAIN,
JOHN MAHER,
NATHANIEL A. KNAPP,
Highway Commission.

Bids received until May 10, 1915.

Metal Flumes

Lewistown, Mont.

Winnett Irrigation Company, of Lewistown, Montana, E. H. Holmboe, Secretary, desires bids for Metal Flumes. Contracts will be let May 10th, 1915.

U. S. ENGINEER OFFICE, Louisville, Ky., April 12, 1915.—Sealed proposals for two steel dump scows will be received here until 12:00 noon, Central Time, May 13, 1915, and then publicly opened. Information on application. J. C. OAKES, Major, Engrs.

Bids received until Apr. 21, 1915.

Sheet Asphalt

Cape May, N. J.

PROPOSALS in the form of sealed bids will be received by the Committee on Streets and Highways of the City of Cape May Council at 8:00 p.m. on April 21, 1915, at the City Hall, for the laying of approximately:

5325 square yards of sheet asphalt;

913 square yards of repressed vitrified brick gutters.

Construct seven (7) manholes.

All with the necessary appurtenances.

Paving to lie between Perry Street and Franklin Street on Washington Street.

Proposals are to be made on attached sheets to specifications and presented sealed at the time and place above mentioned. Copies of plans and specifications may be obtained from the City Recorder by a deposit of $5.00, which will be returned on the surrender of same in good condition.

The City Council expressly reserves the right to reject any or all bids. No bid will be received unless offered by a thoroughly responsible party who have been regularly and satisfactorily engaged in this sort of work before.

(Signed) MEMUCAN HUGHES, Chairman.
THOS. W. MILLETT, Recorder.
L. E. MILLER, JR., City Engineer.

⋇

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for furnishing and placing stone riprap along lake face of main breakwater, Harbor Beach, Michigan, will be received at this office until 12 noon, May 11, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engineers.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for constructing and placing two timber cribs and replacing with concrete, timber superstructure, breakwater at Harbor Beach, Michigan, will be received at this office until 12 noon, May 12, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engineers.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for construction of concrete masonry for fourth lock at Sault Ste. Marie, Mich., will be received at this office until 12 M., May 15, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engrs.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for dredging ship channel in Lake St. Clair, Mich., will be received at this office until 12 noon, April 28, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engrs.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 10, 1915.—Sealed proposals for constructing about 9000 feet standard revetment on Missouri River, about 24 miles below Kansas City, and two miles from Atherton, will be received at this office until 12 M., May 10, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

OFFICE OF THE COMMISSIONERS, D. C., April 7, 1915.—SEALED PROPOSALS will be received at this office, Room 509 District Building, until 2 o'clock P.M., on April 21, 1915, for the construction of Sewers in the District of Columbia, involving the construction of approximately 1,000 linear feet of trunk sewer, 3 foot span. Forms of proposals, specifications and necessary information may be obtained from the Chief Clerk, Engineer Department, Room 427 District Building, Washington, D. C. OLIVER P. NEWMAN, LOUIS BROWNLOW, CHARLES W. KUTZ, Commissioners, D. C.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 10, 1915.—Sealed proposals for constructing about 4,200 feet standard 3-row timber dike on Missouri River, about 12 and 20 miles below Kansas City, and about one-half mile below Cement City and near So. Liberty, will be received at this office until 12 M. May 10, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

U. S. ENGINEER OFFICE, First District, New York City, Room 710 Army Building, 39 Whitehall Street, New York, N. Y., March 27, 1915.—Sealed proposals for constructing storehouses and a boat shed on Mill Rock at Hell Gate in East River, N. Y., will be received at this office until 12 M., April 26, 1915, and then publicly opened. Information on application. W. M. BLACK, Col., Eng'rs.

Bids received until May 5, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS,

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Wednesday, May 5th, 1915, for the improvement of Highways in the following counties:

Allegany, 2 highways (4.00; 8.64); Cattaraugus (approx. length 4.43); Chautauqua, 2 highways (3.99; 1.59); Dutchess (approx. length .88); Franklin (approx. length 8.81); Hamilton (approx. length 5.01); Herkimer, 3 highways (1.81; 3.60; 5.63); Jefferson (approx. length 7.27); Livingston, 3 highways (3.51; 3.96; 2.18); St. Lawrence, 3 highways (5.66; 9.09; 10.85); Schenectady (approx. length 5.62); Schoharie (approx. length 4.99).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the road is to be constructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is caled to "INFORMATION FOR BIDDERS" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

⋇

Bids received until Apr. 27, 1915.

Concrete Dam and Bulkhead

Waverly, Iowa.

Bids will be received up to 5 o'clock on April 27, 1915, to be opened at 8 o'clock P.M. that day, for the construction of a concrete dam and bulkhead across the Cedar River at Waverly, Iowa. A deposit of $5.00 is required for plans and specifications, which are on file with the City Clerk of said City.

H. R. VAN DERVEER, City Clerk.

C. A. COOL, Engineer.

⋇

PROPOSALS FOR A GUARD HOUSE AND BAKERY. Office, Depot Quartermaster, El Paso, Texas, March 29, 1915.—Sealed proposals for the construction, plumbing, heating, electric wiring and fixtures, of a guard House and Bakery, at Fort Bliss, Texas, will be received in this office until 11:00 A.M., April 30, 1915, and then opened. Information furnished on application. Applications for plans, etc., should be accompanied by a certified check for $10.00 to insure their return. Envelopes containing proposals should be indorsed "Proposals for Guard House and Bakery, Fort Bliss, Texas," and addressed Major William Elliott, Quartermaster Corps, U. S. Army.

U. S. ENGINEER OFFICE, Louisville, Ky., March 19, 1915.—Sealed proposals for furnishing and delivering American Portland Cement for Dam 43, Ohio River, will be received here until 12 noon, central time, April 19, 1915, and then publicly opened. Information on application. J. C. OAKES, Major, Engrs.

U. S. ENGINEER OFFICE, Wheeling, W. Va., March 29, 1915.—Sealed proposals for furnishing and delivering one service boat, designated No. 10A3, for Lock No. 10, Kanawha River, W. Va., will be received at this office until 11 a.m. (Eastern time), April 29, 1915, and then publicly opened. Information on application. T. H. JACKSON, Major, Engrs.

U. S. ENGINEER OFFICE, Cincinnati, O., April 7, 1915.—Sealed proposals for furnishing and erecting steel lock gates for Dam No. 29, Ohio River, will be received at this office until 2 p.m., April 27, 1915, and then publicly opened. Information on application. H. JERVEY, Lt.-Col., Engrs.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 10, 1915.—Sealed proposals will be opened in this office at 3 p.m., May 18, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of the United States post office at Laurel, Miss. One-story-and-basement building; ground area 7,000 square feet; fireproof throughout, except roof; stone facing below first-floor line, brick facing with stone base and stone and marble trimmings above first-floor line; tile and composition roof, with wood and copper cornice. Drawings and specifications may be obtained from the custodian of site at Laurel, Miss., or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect.

Classified Advertising

Positions Wanted, 3 cents a word, minimum charge 50 cents an insertion, payable in advance.

Positions Open, (Civil Service Examinations), **Employment Agencies** (Labor Bureaus), **Business Opportunities, Wanted** (Agents and Salesmen—Contract Work), **Miscellaneous** (Educational—Books), **For Sale,** 5 cents a word, minimum charge $1.00 an insertion.

Count four words for keyed address care of New York; five for Chicago. Abbreviated words or symbols count as full words.

Copy should reach us not later than 10 A.M. Wednesday for that week's issue. Answers addressed to our care, Tenth Avenue at Thirty-sixth St., New York or 1144 Monadnock Block, Chicago will be forwarded (excepting circulars or similar literature).

No information given by us regarding keyed advertiser's name or address. Original letters of recommendation or other papers of value should not be inclosed to unknown correspondents. Send copies.

Advertisements calling for bids, $3.60 an inch per insertion. N

POSITIONS WANTED

Mechanical and Electrical Engineers

MECHANICAL ENGINEER, 35, technical school and 12 years' broad experience; New York interview. P. W. 42, Eng. News.

MECHANICAL ENGINEER, three years' experience superintending installation of building specialty; also sales experience. P. W. 93, Eng. News, Chicago.

MECHANICAL AND ELECTRICAL ENGINEER, technical graduate, desires advantageous change; clean, successful record; last five years plant engineer, one of largest concerns in Middle West. Full charge of all electrical and mechanical equipment, plant construction and maintenance, light, heat, power, fire protection, accident prevention, etc. P. W. 136, Eng. News, Chicago.

MECHANICAL ENGINEER, technical graduate, 26, single, three years' experience, construction, sales and office work, desires position on construction or in manufacturing plant; salary $1200. P. W. 141, Eng. News.

MECHANICAL ENGINEER, resourceful designer; five years' experience; intelligent and industrious, with executive ability. P. W. 123, Eng. News.

MECHANICAL ENGINEER AND DESIGNER with knowledge of structural work; best of references. P. W. 126, Eng. News.

Civil Engineers

GRADUATE ENGINEER, married, wishes work of any kind; can fill any position from axeman to engineer-in-charge; good draftsman; eight years' excellent engineering experience; references. P. W. 118, Eng. News.

GRADUATE ENGINEER, married, wishes work of any kind; can fill any position from axeman to engineer-in-charge; good draftsman; eight years' excellent engineering experience; references. P. W. 101, Eng. News.

GRADUATE CIVIL ENGINEER wants work of any kind in the engineering line; five years' experience, land surveys, canal, roads, sewers and street paving. P. W. 76, Eng. News.

CIVIL ENGINEER, 45, now employed, is desirous of obtaining position in charge of construction with large company; experience includes railroad location, maintenance-of-way and construction, both steam and electric; general municipal work, with very large sewer design and construction work; highway construction; sewage-disposal experimentation and practice; drawing of specifications of many kinds; organization of construction work; planning records of cost for control purposes; field of work has extended from Atlantic to Pacific and from British Columbia to Central Venezuela; prefers local work, but will go abroad; has good working knowledge of Spanish. P. W. 132, Eng. News.

CIVIL ENGINEER, 25, graduate, three years' experience, open for engagement, field or office; railroad construction preferred; employed at present. P. W. 143, Eng. News.

TECHNICAL GRADUATE, 24, three years' experience with general contractor, estimating, construction and cost keeping; salary secondary. P. W. 144, Eng. News.

CIVIL ENGINEER, graduate, two years' experience, one year surveying, one year construction work (highway and reinforced-concrete bridge), fair draftsman, wishes permanent position with engineering concern; willing to start at the bottom. P. W. 142, Eng. News.

CIVIL ENGINEER AND SUPERINTENDENT; 12 years continuous charge of engineering and construction work, mostly railroad; reinforced concrete a specialty; designing, estimating, etc.; experience in municipal work; executive ability; legal training; business education; references; moderate salary; just finished some work in Canada and available at any time for any location. For list of special training and experience address P. W. 125, Eng. News, Chicago.

CIVIL ENGINEER, 17 years' experience, surveys and construction railways and hydraulic development; good draftsman; speak Spanish. P. W. 122, Eng. News.

GRADUATE CIVIL ENGINEER, 12 years' experience in railroads, municipal, hydraulic and frog and switch work, desires position in the East. P. W. 975, Eng. News, Chicago.

CIVIL ENGINEER, graduate, married, seven years' experience field and office in mines, property, surveys, railroad maintenance, steel works, bridges and road construction; references; location immaterial. P. W. 120, Eng. News.

Bridge and Structural

STRUCTURAL ENGINEER, formerly chief designer and checker, wants responsible position. P. W. 148, Eng. News.

STRUCTURAL ENGINEER, graduate, M. Am. Soc. C. E., expert designer of steel and reinforced concrete for industrial buildings, tall office buildings and bridges; good executive and personality. P. W. 63, Eng. News.

Surveyors

I. C. S. GRADUATE, 20, two years' experience in surveying, drafting; moderate salary. C. E. Norcross, Pemberton, N. J.

INSTRUMENTMAN, eight years' experience, three tropics, go anywhere. Will pay bonus. P. W. 110, Eng. News.

AS CHAINMAN OR RODMAN by student of American School of Corespondence. P. W. 135, Eng. News, Chicago.

SURVEYOR AND DRAFTSMAN; special track work, steam and electric, city and interurban construction, municipal improvements. P. W. 138, Eng. News.

Draftsmen

FIRST CLASS STRUCTURAL DRAFTSMAN; 12 years' experience detailing, estimating, checking, squadman; all lines work; best reference; desires position. P. W. 56, Eng. News.

ENGINEER AND DRAFTSMAN, 33, ten years' experience field and office work, estimating, designing and installing, building bridges, reinforced concrete and steel and general construction. P. W. 146, Eng. News.

DRAFTSMAN, 27, technical; 10 years' experience mechanical, electrical, structural; neat letterer; capable designer. P. W. 121, Eng. News.

ENERGETIC AND AMBITIOUS YOUNG MAN, with knowledge of stenography and drafting, wishes position in office of engineer or contractor where conscientiousness and attention to duty will be appreciated. P. W. 145, Eng. News.

Superintendents, Etc.

SALES ENGINEER, experienced in design, selling, estimating installing power plants and heating systems desires connection with New York firm. Salary and commission. P. W. 112, Eng. News.

ENGINEER, resourceful designer; 12 years' experience along mechanical and structural lines; thorough theoretical knowledge; would invest some capital. P. W. 97, Eng. News, Chicago.

ENGINEER SALESMAN, experienced also in machine shop and drafting; energetic, ambitious and intelligent. P. W. 124, Eng. News.

ENGINEER AND CONTRACTOR having thorough experience on bridge and building work; experienced on designing, estimating and construction of steel and concrete work; expert on steel fabrication; have been in charge of a large amount of contracting and construction; have wide acquaintance with engineers, architects and contractors in the Central States; experienced in organizing forces and systematizing work; have been successful in selling; have position but wish to change to one having more responsibility. P. W. 137, Eng. News, Chicago.

GENERAL OR CARPENTER FOREMAN, understanding all kinds of construction work; 10 years' experience; best of references. P. W. 129, Eng. News.

I. C. S. GRADUATE, 29, in reinforced-concrete engineering and structural drafting, desires position with engineer, contracting firm or architect; ambitious, sober and reliable; best references. P. W. 128, Eng. News.

SUPERINTENDENT OR GENERAL FOREMAN of paving; familiar with all kinds of pavements; 24 years' experience; reliable and temperate. P. W. 130, Eng. News.

GRADUATE ENGINEER, 29, six years' experience on extensive surveys, irrigation, railways, foundations, mining and valuation surveys; responsible position only; references. P. W. 131, Eng. News.

SUPERINTENDENT OF CONSTRUCTION; 15 years' experience on asphalt, brick, granite, wood block, road and concrete construction. P. W. 133, Eng. News.

GENERAL FOREMAN; 15 years' experience on track, paving and concrete construction. P. W. 134, Eng. News.

CONTRACTOR'S ENGINEER, estimator, general building construction, reinforced concrete, steel, masonry, timber, wants position; 10 years' experience; A-1 references. P. W. 139, Eng. News.

SALESMAN with nine years' traveling experience and wide acquaintance among architects, contractors and material supply dealers throughout the United States, desires position as district manager for manufacturer of specialty or staple building line; Central or Western location preferable; would be willing to travel part of time if necessary. P. W. 117, Eng. News, Chicago.

ESTIMATOR, general building construction, desires position New York City; 14 years' experience. P. W. 119, Eng. News.

POSITIONS OPEN

YOUNG GRADUATE ENGINEER having had at least one year's experience in the making of structural steel shop drawings, to learn designing a special class of structures; moderate salary. P. 127, Eng. News.

Civil-Service Opportunities

Competitive examinations for the civil-service positions named below will be held on or up to the dates given. For detailed information, write the addresses specified.

SURVEYOR-DRAFTSMAN (male), $1200-$1500; examination Apr. 28-29; for vacancy in the Forest Service, Dept. of Agriculture, Washington, D. C., or vacancies as they occur in other positions requiring similar qualifications. Write to the United States Civil Service Commission, Washington, D. C., for Circular No. 260 and Application Form 1312.

HULL-DRAFTSMAN (male), $1800; examination Apr. 28-29; for vacancy in office of Chief of Engineers, War Dept., Washington, D. C., or vacancies as they occur in other positions requiring similar qualifications. Write to the United States Civil Service Commission, Washington, D. C., for Circular No. 269 and Application Form No. 1312.

ENGINEER (with knowledge of sewage disposal)—(male)—$4000; examination Apr. 20, Room 1400, Municipal Building, by Municipal Civil Service Commission; to continue work of the Metropolitan Sewage Commission.

Employment Agencies

The Employment Agencies advertising in this paper agree to refund any registration fee on demand any time within the first six months when no position is secured.

TECHNICAL ENGINEERS in every line for available positions; employers and applicants write The Toledo Engineering Agency, Toledo, Ohio.

MECHANICAL ENGINEER, broad gauge executive, direct force 600-700 hands, supervise designing and purchasing; in the manufacturing of small machine; salary $3000-$6000, depending on previous results obtained. Write fully in confidence, giving details and best time interview officials in New York. Bowtell's Business Brain Bureau, 170 Broadway, New York.

LABOR BUREAUS

SPECIAL ADVANTAGES to contractors or others employing skilled or unskilled laborers. Commissary privileges optional. Central Labor Agency, 139 Mulberry St., New York. (Telephone 8970 Canal.)

CONTRACTORS or others employing laborers, skilled or unskilled. We supply laborers from coast to coast. No order too small or too large. Trial order will convince you. Maurice E. Finn's Labor Agency, largest in New England, 27 Washington St., Boston, Mass.

LABORERS of all nationalities furnished to contractors, railroad companies, etc., absolutely free of charge. A trial solicited. Branches throughout the United States. Savoy Labor Agency, 260 Eighth Ave., New York. (Telephone Chelsea 5333.)

SPECIAL ADVANTAGES to contractors or others employing skilled or unskilled laborers. Commissary privileges optional. Central Labor Agency, 139 Mulberry St., New York. (Telephone 8970 Canal.)

WANTED

AGENTS AND SALESMEN

ENGINEER OR DRAFTSMAN to sell WINSLOW direct-reading, beam and reinforced concrete calculating SLIDE-RULES. Simple, quick. Good opportunity for first agent in each city. Henry W. Tomlinson, 62 East Van Buren St., Chicago.

HIGH-GRADE RESPONSIBLE SALES ENGINEER to represent us in different districts on commission basis; our equipment sells to power plants, architects and manufacturing industries; wide field rapidly growing; average sale $1000; applicant must be acquainted with engineers and architects in his district and have three years' selling experience; state age, value of yearly sales, what lines you are now handling; an excellent opportunity to get a live profitable account. Address "A. G. E.," 60 Arch St., Room 503, Boston, Mass.

FOR SALE

FOR SALE—"Eng. News," Vols. 31 to 70, bound, Vol. 71 to date, unbound; all prime condition; best offer takes. F. S. 116, Eng. News.

CORRESPONDENCE COURSES

of instruction and practical work in designing and estimating the cost of structures of steel and reinforced concrete have been prepared by a well known Consulting Engineer,

FOR ENGINEERS

The personal attention of the engineer who prepared these courses is given to all the work submitted by each subscriber and therefore the membership is limited.

Two separate courses are offered, under the ollowing designations,—

STRUCTURAL STEEL DESIGNING
REINFORCED CONCRETE ENGINEERING

These courses are *not* a duplication of the work given in technical colleges on these subjects, and are *not* a re-hash of matter taken from text books. This work differs from either because it gives the short concise practical methods actually used by engineers in such work, supplemented by labor saving tables and diagrams. They

PROVIDE ACTUAL EXPERIENCE

and save years spent in mis-directed efforts which are a necessary result of trying to acquire experience without the direct aid and assistance of an engineer properly experienced in such work.

Address M. 966, Engineering News

For Sale
Second Hand Equipment

Rates: Less than 4 insertions 55 cents per line—4 to 11 insertions 50 cents per line—12 or more insertions 45 cents per line.

Equipment Wanted items appear at the end of this list.

N

ADVERTISERS NAMES are abbreviated in most of these items. Complete names and addresses are as follows:

AMERICAN Construction Co., 108 N. Delaware St., Indianapolis, Ind.—All equipment listed as good as new, used only short time.
BECKWITH, J. S., 108 Park Way, N. S., Pittsburgh, Pa.
BRADEN, James C., 26 Cortlandt St., N. Y. City.
CONTRACTORS' Service Co., 50 Church St., N. Y. City.
DALLETT & CO., Harrison Bldg., Phila., Pa.
DOLAN, John F., 50 Church St., New York, N. Y.
DOUGLAS, Geo. B., 29 Broadway, New York.
GIVIN Co., Herbert, 30 Church St., N. Y. City.
GRIMSHAW Co., Wm. B., 688 Drexel Bldg., Phila., Pa.
HITNER'S Sons Co., Henry A., Philadelphia, Pa.
HOISTING Engine Sales Co., 120 West 32d St., New York.
JENNISON-Wright Co., The, 313 Huron St., Toledo, O.
LINES FLYNN Co., Inc., 30 Church St., N. Y. City.
MARINE Metal & Supply Co., 167 South St., N. Y. City.
NEW RIVER Co., The, Macdonald, W. Va.
PIPE & Contractors Supply Co., 3 Dover St., N. Y. City.
SAMPSON Co., Geo. H., 13 Pearl St., Boston, Mass., and 42 B'way, N. Y. C.; or Winston & Co., Brown Station, N. Y.
SCHMIDT, Jr., & Co., C. G. A., Empire Bldg., Phila., Pa.
SOUTHERN Iron & Equipment Co., Atlanta, Ga.
STALLEY, G. T., Box 390, Cleveland, Ohio.
WHITNEY, O. R., 39 Cortlandt St., N. Y. C. (Cort. 6095).

AIR COMPRESSORS

2—Ingersoll-Rand, Cross Compound steam and air cylinders with Corliss valve gear 2500 cu. ft. capacity.—SAMPSON.

2—Ingersoll-Rand, Cross Compound Steam and Air Cylinders with Corliss valve gear 3300 cu.ft. capacity. Boilers and Condensers with this plant. All in good condition. Bargain.—SAMPSON.

1—4700 Cu. Ft. Rand B. B. 3 Compound Steam and Compound Air Compressor with Condenser.—SAMPSON.

Several second-hand air compressors, steam and belt driven, straight line and two stage of various sizes from 70 to 1300 cu. ft. capacities. Good condition.—SAMPSON.

1—22x22-13-¼x24, Sullivan, steam driven, class WB 2, straight line, 2 stage, cap., 1160 cu. ft., 1—24x24x30, McKiernan, class A, straight line, steam driven, cap. 1414 cu. ft.; 1—24x24-¼x30, Ingersoll, class A, steam driven, straight line, cap. 1223 cu. ft., 2—16x20-¼x16, Ingersoll-Sargeant, class H-1, duplex, steam driven, cap. 1540 cu. ft.—HITNER'S.

Steam driven 3 Laidlaw-Dunn-Gordon duplex 2-stage, and 5 Norwalk tandem 2-stage, capacities 900 to 2100 cu.ft., condition excellent.—NEW RIVER.

3—24"x24"x30" Rand S. L. Price $1000 each.—L. F. SEYFERT'S SONS, INC., 437 N. 3rd St., Phila., Pa.

American 10x10x10 straight line, steam driven, cap. 236 cu.ft.; Ingersoll-Rand 8x8x8 straight line, steam driven, cap. 100 cu.ft.; Clayton 8x8x7 duplex, cap. 150 cu.ft.—MARINE.

BELT CONVEYORS

1—14" and 1—16" 50' centers.—GIVIN.

BOILERS

5—250 H.P. B. & W., 150 lbs. steam. Horizontal return tubular, 2—72"x20', 1—78"x20', 1—72"x18', 1—72"x15', 1—72"x14', triple riveted, butt strapped, 125 lbs. steam.—HITNER'S.

35, 60 and 80 H.P. loco. boilers—PIPE.

6—550 H.P. Altman Taylor B. & W. type, 150 lbs. pressure, complete with steel supporting structure—Arranged to set two in battery; one battery equipped with Taylor stokers.—HENRY R. KENT & CO., 141 Broadway, New York, N. Y.

2 New Marine, 10x11'; prompt delivery.—WHITNEY.

4—125 H.P. and 2—150 H.P. Horizontal return tubulars, butt strapped, triple riveted.—MARINE.

BUCKETS

1—1 yd. Theo. Smith Orange Peel.—PIPE.

5—¾ cu. yd. standard clam shells.—STALLEY.

Hayward 1⅝ yd., Mead & Morrison 1½ yd., Smith 1 yd. and Union Iron Works ¾ yd. clam shells; Hayward 7 cu.ft. orange peel; 10—Steubner 1¼ yd. "Excelsior" bottom dump concrete.—MARINE.

96—42 cu.ft. Stuebner tip-over buckets.—SCHMIDT.

1 "Haiss" ¾ yd. and 1 "Haiss" 1 yd. clamshell, in first-class shape; used short time. Digging teeth can be installed. —GEO. HAISS MFG. CO., 142nd St. and Rider Ave., N. Y. City.

CARS

[Standard Gauge]

45—80,000 lb. flat cars, cheap.—WHITNEY.

[36" Gauge]

50—4 yd. 1-way So. Baltimore, $50 each. 8—K. & J. 3-yd. 2-way, overhauled, $70 each.—GRIMSHAW.

[24" Gauge]

1½ yd. Western with Vulcan Dinkey.—DALLETT.

10—1 yd. swivel end dump cars.—PIPE.

80—36 cu.ft. Koppel "V" body.—SCHMIDT.

CRUSHERS

Gyratory, Nos. 8, 7½, 6, 5, 4, 3.—GIVIN.

1 No. 2 Climax on trucks with 15' elevator with 18 H.P. mounted Climax portable engine and boiler.—BECKWITH.

1 Climax Portable plant complete, A1.—GIVIN.

1—18x36 Farrell; 1—24x36 Buchanan.—SCHMIDT.

1 Portable Champion No. 3 jaw stone with elevators.—JENNISON.

DERRICKS

1 steel stiff leg 70 ft. boom with cast steel bull wheel, capacity 25 tons.—MARINE.

DREDGES

Hydraulic and dipper. Sale or charter.—GIVIN.

DRILLS

6 Ingersoll, type F-24, and 2 class "C" Little Giant rock drills.—BECKWITH.

ELECTRIC LIGHTS

For sale at less than half cost. Sixty 300 C.P. D.C. 220 V. Nernst arc lamps, moon globes. In perfect running condition. Can be seen in use in our offices; $4 each. (Regular price, $9.50). Price includes drop lighting switch. Must sell as our voltage is 110 in new office. HILL PUBLISHING CO., 10th Ave. at 36th St., New York.

ENGINES, GAS

1 8 H.P. Vertical Type Fairbanks with sub-base.—SAMPSON

EXCAVATORS

Bucyrus drag line, class B.—DOLAN.

GENERATORS

Western Electric 100 K.W. dir, con. to 14x14 engine, 240 volts; 2 Western Electric 60 K.W. belt, 125 volts.—MARINE.

GRADERS, ELEVATING

1 Austin.—AMERICAN.

FIRE ENGINES

2 Fire Engines, condition, first class.—HITNER'S.

HAMMERS

1 No. 4 Arnott.—PIPE.

HOISTING ENGINES

2—3 drum Nationals, one 10x12 and one 8¼x10, with boilers; Lambert 8½x10 D.D.D.C. Skeleton; 7½x10 D.D.D.C. Skeleton, 15 other makes and sizes.—MARINE.

1 3 drum National hoist 10x12 with boiler and three independent winch-heads, excellent condition; 4 7x10 D.C.D.D. Lidgerwood with boilers; 1 Lidgerwood D.C.D.D. with swinger, skeleton 7x10, and 1 National D.C.D.D. with swinger, skeleton 7x10.—PIPE.

2 Lidgerwood 14x18, D.C. 3-tandem drum, reversible link motion; 1 Lidgerwood, 10x12, D.C. S.D. reversible link motion; 1 Lambert, 10x12, D.C. D.D. with boiler; 2 Lambert, 8x10, D.C. D.D. with Mass. boilers; 1 Lambert 7x10, D.C. D.D. with boiler; 1 Mundy, 7¼x10, D.C. D.D. with boiler; 1 Mundy, 6¼x10, D.C. D.D. with boiler; 1 O. & S. 6¼x8, D.C. D.D. with boiler. 2 Lidgerwood, 60 H.P. D.D. and swinger d.c. hoists.—HITNER'S.

THREE HUNDRED hoists, 2 or 3 drum 7x10, 8¼x10, 9x10, 10x12, skeleton or boilers; 100 electric.—HOISTING.

INSTRUMENTS, SURVEYING

Second-Hand Transits, Levels, etc. Bought, sold or exchanged. Send for list of Second-Hand Instruments. Get our prices before ordering. WILLIAMS, BROWN & EARLE, Inc., Engineering Supplies, Dept. E, 918 Chestnut St., Phila.

LOCOMOTIVES

[Standard Gauge]

1 Porter, Std. G., 20-ton, 12x18, saddle tank.—DOUGLAS

50 locomotives, Switch, Mogul, Consolidation, Ten Wheel and Saddle Tank types.—SOUTHERN.

2—40 ton switchers, overhauled.—CONTRACTORS S. CO.

[36" Gauge]

10 10x16" Porter, Davenport and Vulcans.—SOUTHERN.

5 9x14" Porters.—SOUTHERN.

2—9x14 Baldwin saddle tank.—BECKWITH.

5—10x16 Vulcans, 1911-12.—CONTRACTORS S. CO.

20 ton, 11x16" Davenport, built 1907, $1175.—GRIMSHAW.

LOCOMOTIVE CRANES

4 and 8-wheel, 10, 15 and 20 tons capacity.—HOISTING MACHINERY Co., 48 Church St., New York City.

4 and 8 wheel 10 and 15 ton.—CONTRACTORS S. CO.

15-ton Browning, 4-wheel, S. G., 50' boom.—DALLETT.

1—7 Ton, 4 wheel, Industrial, 21' boom; 1—15 ton, 8-wheel, Industrial, wrecking crane, 20' boom, goose neck.—HITNER'S.

15 ton excellent condition, cheap.—STALLEY.

4 and 8 wheel, 10, 15, 20 and 25 tons capacity.—GIVIN.

1—10 ton 4 wheel Brown hoist, A1 condition; low price for quick sale.—GIVIN.

50 H.P. crane for rent.—THE TERRY & TENCH CO., INC., Grand Central Terminal, New York, N. Y.

MIXERS (Asphalt and Concrete)

Hadsel 2 yd. Batch with engine; Ransome ¾ yd. with engine and hopper; Foote Continuous No. 2½, 7½ H.P. motor, D.C. on wheels.—MARINE.

Portable plant, complete capacity 300-600 yds. per day; rare bargain.—LINES FLYNN.

1 cu.yd. Smith with engine on skids.—BECKWITH.

1 Eureka continuous 3 H.P. D.C. motor; 2 Austin cubes with engines and boilers on steel skids; 2—2½ Smiths with engines on wheels; 1 yd. and ½ yd. Ransomes on skids.—PIPE.

1 Foote No. 3 continuous mixer.—JENNISON.

2 Foote continuous mixers.—AMERICAN.

PILING, SHEET STEEL

165 pcs. Lackawanna 14" arch web, 22 and 24 ft. lengths, used once, excellent condition.—37 Dun Bldg., Buffalo, N. Y.

5000 pcs. Lackawanna and Carnegie. What are your needs?—GRIMSHAW.

PIPE

Wrought with new threads and couplings, all sizes.—PIPE.

300,000 rethreaded wrought, sizes ¾" to 24".—MARINE.

PUMPS

1 Cameron 8½x2x4 Steam pump.—SAMPSON.

Piston and plunger, sizes up to 12x12x12.—NEW RIVER.

1 Compound duplex vertical center packed plunger, circulating pump, size 21—34x19—24, capacity 3500 gallons, 24 hours.—HITNER'S.

2 Emerson steam pumps No. 4; 1 Cameron 10x10½x20 and other sizes.—PIPE.

RAILS

40 ton of 35 lb. with fish plates.—PIPE.

20,000 ft. 24" gauge 20 lb. portable track.—SCHMIDT.

ROAD ROLLERS

2—10 ton Buffalo Pitts, practically new.—GIVIN.

1—8 ton Iroquois, used two months.—GIVIN.

2—5 ton Iroquois, perfect condition.—GIVIN.

1—5 ton Kelley tandem and 1—7 ton Chicago tandem, both rollers have been used but upon two jobs and are in most excellent condition.—Address the AMERICAN NATIONAL BANK, Findlay, Ohio.

Macadam and asphalt roller; also roller renting business located in N. Y. City.—F. S. 33, Eng. News.

1 Case 10 ton 3 wheel roller and 1 Buffalo-Pitts 10 ton 3 wheel.—JENNISON.

10-ton macadam roller recently overhauled. Low price for quick sale. Write F. S. 31, Eng. News.

Buffalo road roller.—DOLAN.

1—8 ton Austin gasoline, perfect condition, rare bargain. —B. G. COON CONSTRUCTION CO., 274 Union St., Luzerne, Pa.